

Prof. GRASSO Donato Antonio

Affiliation:

Dipartimento di Scienze Chimiche, della Vita e della Sostenibilità Ambientale, Università di Parma

Viale delle Scienze 11/a – 43124 Parma

EDUCATION AND ACADEMIC POSITIONS

1990 MD in Biological Sciences (Univ. Parma) (mark 110/110 cum laude)

1992 Habilitated to the Profession of Biologist (mark 150/150)

1994 PhD in Ethology (mark “Excellent”)

1996-1998 Post-Doc in Fundamental Biological Sciences

1999-2014 Permanent position as Researcher in Zoology, Univ. Parma

2000 Visiting Researcher Laboratory of Entomology, Univ. Leuven (BE)

2000-2014 Assistant Professor, Univ. Parma

2014 National Habilitation (ASN) to Associate Professorship

2017 National Habilitation (ASN) to Full Professorship (Entomology)

2018 National Habilitation (ASN) to Full Professorship (Zoology)

ACTUAL POSITION: Associate Professor of Zoology

TEACHING:

ZOOLOGY

BEHAVIOURAL ECOLOGY & SOCIOBIOLOGY

FAUNA CONSERVATION AND MANAGEMENT

DOCTORATE SCHOOL IN EVOLUTIONARY BIOLOGY AND ECOLOGY (Univ. Ferrara, Parma, Firenze)

TUTOR for more than 50 Students (MDs, Bachelors) and 7 PhD students

RESEARCH TOPICS

General:

BEHAVIOURAL ECOLOGY AND SOCIOBIOLOGY, BIOLOGY OF ANTS (Hymenoptera, Formicidae) and OTHER INSECTS studied with a multidisciplinary approach (behavioural, morpho-functional, ecological and evolutionary).

Specific:

Ant-plant interactions and mutualisms; Interactions and mutualism between ants and phytophagous insects; Multitrophic interactions in natural and agroecosystems; Eco-ethological aspects and potential for biological control programs; Ant-bacteria symbioses; Ant community structure, competition and other ecological interactions; Social organization and division of labour; Biodiversity, bioindicators, urban ecology, Citizen Science Programs; Phylogeny, population genetics, hybridization; Invasive species and their impact on natural and agro-ecosystems; Social parasitism, host manipulation, communication (behavioural, socioecological, morpho-functional aspects); Reproductive, orientation, foraging, aggressive behaviour.

PUBLICATIONS:

Papers on International Journals: 77

Book chapters: 4

Book Introduction: 1

Congress Proceedings: 95 (40 international; 54 national)

Translation of scientific book: 1

Scientific revision of books: 3

Authored Books: 2 (1 in preparation)

INVITED SPEAKER TO CONGRESSES: 12 (5 international, 7 national)

INVITED SEMINARS FOR ITALIAN AND INTERNATIONAL INSTITUTIONS: 40

EDITORIAL BOARD:

FRONTIERS IN INSECT SCIENCE (2021 to date)

INSECTS (2019 to date)

ENTOMOLOGIA, an international journal of entomology (2013-2017)

INSECT SOCIAL LIFE 1996-2002

REFEREE for ISI JOURNAL WITH IF:

Acta Zoologica, Animal Behaviour, Annales Zoologici, Arthropod Structure & Development, Behavioural Ecology & Sociobiology, Belgian Journal of Zoology, Current Zoology, Ecological Entomology, Ecotoxicology, Ethology, European Journal of Entomology, Ethology Ecology & Evolution, Journal of Chemical Ecology, Journal of Applied Entomology, Journal of Insect Behavior, Journal of Insect Physiology, Heredity, Italian Journal of Zoology, Insects, Insectes Sociaux, Myrmecological News, Neotropical Entomology, Physiological Entomology, PLOS ONE, Psyche, Redia, The Science of Nature.

SCIENTIFIC SOCIETIES MEMBERSHIP:

Società Entomologica Italiana (SEI)

Unione Zoologica Italiana (UZI)

Società Italiana di Etologia (SIE)

Italian section IUSSI (International Union for the Study of Social Insects)

Società Museo Civico di Rovereto (Socio corrispondente)

Società Italiana di Biologia Evoluzionistica (SIBE)

European Society of Evolutionary Biology (ESEB)

RESPONSIBLE IN FUNDED PROJECTS:

RESPONSIBLE Joint Research Project with e-Distribuzione (ENEL) 2020-2021

RESPONSIBLE (Local Unit) PRIN 2017 (Funded by MIUR in 2019). Title "Partner manipulation in plant-insect relationships".

RESPONSIBLE JOINT RESEARCH AGREEMENT funded by Fondazione E. Mach (TN) (2019). Title "Studio delle interazioni tra formiche (Hymenoptera, Formicidae) e cocciniglie cotonose della vite (*Planococcus ficus*, Hemiptera, Pseudococcidae) in agroecosistema vigneto del Trentino, con particolare riguardo al ruolo delle formiche nella proliferazione dell'infestante e ai meccanismi di diffusione della infestazione".

RESPONSIBLE JOINT RESEARCH AGREEMENT supported by Azienda Agraria Sperimentale Stuard SCRL (Parma) (2018) Title "Ruolo delle formiche come antagonisti naturali di insetti fitofagi: messa a punto, valutazione e potenzialità di nuovi sistemi di lotta biologica".

RESPONSIBLE JOINT RESEARCH AGREEMENT funded by Fondazione E. Mach (TN) (2017). Title "Studio delle interazioni tra formiche (Hymenoptera, Formicidae) e cocciniglie cotonose della vite (*Planococcus ficus*, Hemiptera, Pseudococcidae) in agroecosistema vigneto del Trentino e loro utilizzo per la messa a punto di innovativi sistemi di monitoraggio dell'infestazione".

RESPONSIBLE of the Italian Research Unit for "THE GLOBAL ANT GENOMICS ALLIANCE CONSORTIUM (GAGA)" (2017 to date) Funded by the CHINESE ACADEMY OF SCIENCE (Chinese biodiversity genomics grant, Kunming Institute of Zoology).

RESPONSIBLE Research Project for a "MASTER & BACK" internship (2010-2011) Funded by Regione Sardegna.

RESPONSIBLE of the Local Unit for the Progetto Finalizzato Florovivaismo (2007-2009), Funded by Ministero dell'Agricoltura.

RESPONSIBLE Research agreement with CRA Sanremo (2007-2009) for the Project "Studio sull'influenza degli imenotteri formicidi nell'utilizzazione dei limitatori naturali (parassitoidi e predatori) di cocciniglie dannose alla rosa ed eventuali altre colture ornamentali".

RESPONSIBLE FIL PROJECTS 2006-2007-2008-2009, 2012, 2014, 2015, 2016-2020 Funded by Univ. Parma

PARTECIPATION IN FUNDED PROJECTS:

PRIN 2001-2003: Comunicazione animale: studio integrato sulla comunicazione chimica negli insetti

MIUR COFIN 1999: Meccanismi di acquisizione e uso dell'informazione ambientale negli animali

MIUR COFIN 1997: Organizzazione sociale e spazio-temporale del comportamento

MIUR COFIN from 1991 to 1996: Comportamento animale

RESPONSIBILITIES IN SCIENTIFIC SOCIETIES

PRESIDENT of the Italian Section IUSSI (International Union for the Study of Social Insects). 2005-2010

COUNCIL BOARD of the Italian Society of Ethology (SIE). 2008-2012

COUNCIL BOARD Italian Section IUSSI (International Union for the Study of Social Insects). 2001-2014

SCIENTIFIC COMMITTEE Fondazione Museo Civico di Rovereto. 2014-to date

ETHIC COMMITTEE Fondazione Museo Civico di Rovereto. 2017-to date

SCIENTIFIC COMMITTEE WWF Italia. 2020-to date

MEMBER of the ITALIAN ACADEMY OF ENTOMOLOGY (ANIE). 2020-to date

ACADEMIC RESPONSIBILITIES UNIV. PARMA:

PRESIDENT DEGREE COURSE IN "NATURAL AND ENVIRONMENTAL SCIENCES" (University of Parma) (2020 to date)

RESPONSIBLE QUALITY ASSURANCE MANAGER (RAQ), 2014-2019

DEPARTMENT BOARD (Giunta Dip. Bioscienze), 2012-2014

DEPT. LIBRARY COMMITTEE, 2010-2012

ORGANIZATION AND SCIENTIFIC COMMITTEE OF CONGRESSES:

16th International Conference of the International Society for Behavioural Ecology (ISBE 2016). University of Exeter (UK).

XXVI Convegno della Società Italiana di Etologia (SIE) - Parma 2015

XV Convegno della Sezione Italiana della International Union for the Study of Social Insects (IUSSI) – Reggio Emilia 2014

The 5th Central European Workshop of Myrmecology (CEWM), Innsbruck 2013

5th European Congress of the International Union for the Study of Social Insects - Montecatini Terme 2012

V European Conference on Behavioural Biology - Ferrara 2010

9° Convegno della Sezione Italiana della International Union for the Study of Social Insects – Parma 2001

16° Convegno della Società Italiana di Etologia – Parma 1994

OUTREACH - PUBLIC ENGAGEMENT - ORGANIZATION OF POPULAR SCIENCE EVENTS:

A detailed list of the more than 120 contributions of the last 5 years (2015-2021) could be found here:

<https://scvsa-servizi.campusnet.unipr.it/do/pubeng.pl/Search?search=partecipanti:gradon56&sri=1>

Among these, a special mention for:

Invited speaker:

Invited Speaker "Festival della Scienza (Genova)" (2020);
Invited Speaker "Verso la XXIII Esposizione Internazionale di Triennale Milano" (2020);
Invited Speaker Mantova Scienza 2019;
Invited Speaker Mantova Food Science Festival 2019.

Articles/interviews on Magazines and Journals:

La Libertà (2020),
7 Corriere della Sera 2019,
Il Giorno (2019),
Il Mattino (2019),
Focus (2019),
Mind (2018),
Focus Extra (2018)

TV:

SUPERQUARK (RAI) 2019 - "Il Formicaio intelligente",
GEO (RAI) 2018,
RAI Cultura NEWTON 2020

RADIO:

Rai Radio 3 (2019),
Radio Popolare (2018, 2019),
Radio 24 (2018, 2019)

For the years 2004-2015 a mention for:

ARTICLES/INTERVIEWS ON POPULAR SCIENCE MAGAZINES and WEB SITES: AIRONE n° 141, 1993, AIRONE n° 255, 2002, LA STAMPA, 1999, QUARK n° 54, 2005, OGGI SCIENZA, 2014, FOCUS n° 273, 2015, FOCUS n° 275, 2015, BBC Scienze n° 33, 2015, CTRL Magazine 2017, Zanichelli Aula di Scienze, 2017, Pikaia, 2017
TELEVISION AND RADIO: "Insetti sociali" EXPLORA LA TV DELLA SCIENZA (Rai) 2004; "Le formiche intorno a noi" Radio Parma 2015; "Una società felice – Pagina 3" Rai Radio 3 - Rassegna stampa intervista a Donato A. Grasso. SCIENTIFIC DOCUMENTARIES: Vita da vespa, GEO & GEO (RAI) 1994; Un'amazzone piccola piccola, GEO & GEO (RAI) 1997.